## What is claimed is:

## 1. A compound having formula (I)

$$A \xrightarrow{B} M \xrightarrow{H} D V - Z$$
(I),

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or a pharmaceutically suitable salt, ester or prodrug thereof, wherein

A is selected from the group consisting of CO<sub>2</sub>H and tetrazole

B is selected from the group consisting of H, F, OH, alkoxy and  $-N(R_aR_b)$ - wherein  $R_a$  and  $R_b$  are each independently selected from the group consisting of hydrogen, alkyl, alkylcarbonyl, alkylsulfonyl alkoxyalkyl, cycloalkyl, cycloalkylcarbonyl, cycloalkylsulfonyl, cycloalkylalkyl, heterocycle, heterocyclealkyl, heterocyclearbonyl and heterocyclesulfonyl;

D is selected from the group consisting of aryl and heteroaryl;

E is  $-(CH_2)_n$ -;

m and n are each independently 0, 1, or 2;

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V is selected from the group consisting of  $-C(R_c)$ - and -N-, wherein  $R_c$  is selected from the group consisting of hydrogen, alkyl, alkoxy, alkoxyalkyl, cycloalkyl, cycloalkyloxy, cycloalkylalkyl, heterocycle and heterocyclealkyl;

W is selected from the group consisting of -C( $R_dR_e$ )-, -( $R_d$ )N-, -O-, -S-, -S(O)-, and -S(O)<sub>2</sub>-;

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X is selected from the group consisting of -C(O)-, -C(O)C( $R_fR_g$ )-, -C( $R_fR_g$ )C(O)-, -C(S)-, -C( $R_fR_g$ )-, -C( $R_fR_g$ )-, -C=N( $R_g$ )-, -S(O)- and -S(O)<sub>2</sub>-;

Y is selected from the group consisting of  $-C(R_kR_m)$ -,  $-(R_k)N$ -, -O-, -S-, -S(O)- and -S(O)<sub>2</sub>-;

Z is selected from the group consisting of a bond, -C(R<sub>p</sub>R<sub>q</sub>)- and -C(R<sub>p</sub>R<sub>q</sub>)C(R<sub>s</sub>R<sub>t</sub>)-; and

R<sub>d</sub>, R<sub>e</sub>, R<sub>f</sub>, R<sub>g</sub>, R<sub>i</sub>, R<sub>j</sub>, R<sub>k</sub>, R<sub>m</sub>, R<sub>p</sub>, R<sub>q</sub>, R<sub>s</sub> and R<sub>t</sub> are each independently selected from the group consisting of hydrogen, alkyl, alkoxy, alkoxyalkyl, aryl, arylalkyl, aryloxy, arylalkoxy, cycloalkyl, cycloalkylalkyl, cycloalkyloxy, cycloalkylalkyl, heterocycle, heterocyclealkyl, heterocycleoxy, and heterocyclealkoxy.

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2. The compound according to claim 1 wherein

m is 1;

n is 1;

A is  $CO_2H$ ;

35 B is H; and

D is phenyl.

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A is CO<sub>2</sub>H;

D is phenyl;

B is H;

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3.
                 The compound according to claim 1 wherein
                 m is 1;
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                 n is 1;
                 A is CO<sub>2</sub>H;
                 B is H;
                 D is phenyl;
                 W is -(R_d)N-;
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                 X \text{ is } -C(O)-;
                 V is -C(R_c)-;
                 Y is -(R_k)N-; and
                 Z is -C(R_pR_q)-.
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         4.
                 The compound according to claim 1 wherein
                 m is 1;
                 n is 1;
                 A is CO<sub>2</sub>H;
                 B is H;
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                 D is phenyl;
                 W is -(R_d)N-;
                 X \text{ is } -C(O)-;
                 V is -C(R_c)-;
                 Y is -(R_k)N-;
                 Z is -C(R_pR_q)-; and
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                 R<sub>d</sub> is t-butylphenyl.
         5.
                 The compound according to claim 4 wherein the compound is
                 N-(4-{3-(4-tert-butylphenyl)-2-oxo-1-[4-(trifluoromethoxy)phenyl]imidazolidin-4-
         yl}benzoyl)-beta-alanine.
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         6.
                 The compound according to claim 1 wherein
                 m is 1;
                 n is 1;
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X \text{ is } -C(O)-;
                 V is -C(R_c)-;
                 Y is -(R_k)N-;
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                Z is -C(R_pR_q)-; and
                R<sub>d</sub> is selected from the group consisting of cis 4-t-butyleyclohexyl and trans 4-t-
        butylcyclohexyl.
        7.
                The compound according to claim 6 wherein the compound is selected from the group
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        consisting of
                N-(4-{3-(4-tert-butylcyclohexyl)-2-oxo-1-[4-(trifluoromethoxy)phenyl]imidazolidin-
        4-yl}benzoyl)-beta-alanine;
                N-{4-[1-(4-bromophenyl)-3-(4-tert-butylcyclohexyl)-2-oxoimidazolidin-4-
        yl]benzoyl}-beta-alanine;
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                N-{4-[3-(4-tert-butylcyclohexyl)-2-oxo-1-(4-phenoxyphenyl)imidazolidin-4-
        yl]benzoyl}-beta-alanine;
                N-{4-[1-(4-bromophenyl)-3-(4-tert-butylcyclohexyl)-2-oxoimidazolidin-4-
        yl]benzoyl}-beta-alanine; and
                N-{4-[1-(1,1'-biphenyl-4-yl)-3-(4-tert-butylcyclohexyl)-2-oxoimidazolidin-4-
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        yl]benzoyl}-beta-alanine.
        8.
                The compound according to claim 1 wherein
                m is 1;
                n is 1;
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                A is CO<sub>2</sub>H;
                B is H;
                D is phenyl;
                W is -(R_d)N-;
                X \text{ is } -C(O)-;
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                V is -C(R_c)-;
                Y is -(R_k)N-; and
                Z is -C(R_pR_q)C(R_sR_t)-.
        9.
                The compound according to claim 1 wherein
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                m is 1;
                n is 1;
                A is CO<sub>2</sub>H;
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W is  $-(R_d)N$ -;

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B is H;
                 D is phenyl;
                 W is -(R_d)N-;
                 X is -C=N(R_i)-;
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                 V is -C(R_c)-;
                 Y is O; and
                 Z is -C(R_pR_q)-.
         10.
                 The compound according to claim 1 wherein
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                 m is 1;
                 n is 1;
                 A is CO<sub>2</sub>H;
                 B is H;
                 D is phenyl;
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                 W is -(R_d)N-;
                 X is -C=N(R_i)-;
                 V is -C(R_c)-;
                 Y is O;
                 Z is -C(R_pR_q)-; and
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                 R<sub>d</sub> is t-butylphenyl.
         11.
                 The compound according to claim 1 wherein
                 m is 1;
                 n is 1;
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                 A is CO<sub>2</sub>H;
                 B is H;
                 D is phenyl;
                 W is -(R_d)N-;
                 X is -C=N(R_i)-;
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                 V is -C(R_c)-;
                 Y is O;
                 Z is -C(R_pR_q)-; and
                 R<sub>d</sub> is selected from the group consisting of cis 4-t-butyleyclohexyl and trans 4-t-
         butylcyclohexyl.
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12. The compound according to claim 11 wherein the compound is selected from the group consisting of

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N-[4-((2Z)-3-(4-tert-butylcyclohexyl)-2-{[4-(trifluoromethoxy)phenyl]imino}-1,3-oxazolidin-4-yl)benzoyl]-beta-alanine;

N-{4-[(2Z)-2-[(4-bromophenyl)imino]-3-(4-tert-butylcyclohexyl)-1,3-oxazolidin-4-yl]benzoyl}-beta-alanine;

N-(4-{(2Z)-3-(4-tert-butylcyclohexyl)-2-[(4-phenoxyphenyl)imino]-1,3-oxazolidin-4-yl}benzoyl)-beta-alanine; and

N-{4-[(2Z)-2-(1,1'-biphenyl-4-ylimino)-3-(4-tert-butylcyclohexyl)-1,3-oxazolidin-4-yl]benzoyl}-beta-alanine.

10 13. The compound according to claim 1 wherein

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\begin{array}{c} \text{m is 1;} \\ \text{n is 1;} \\ \text{A is CO}_2\text{H;} \\ \text{B is H;} \\ \\ \text{15} \qquad \text{D is phenyl;} \\ \text{W is -(R_d)N-;} \\ \text{X is -C=N(R_j)-;} \\ \text{V is -C(R_c)-;} \\ \text{Y is -(R_k)N-; and} \\ \text{20} \qquad \text{Z is -C(R_pR_q)-.} \end{array}
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- 14. A pharmaceutical composition comprising a therapeutically effective amount of the compound of claim 1 in combination with a pharmaceutically suitable carrier.
- 25 15. A method of selectively antagonizing the glucagon receptor in a mammal comprising administering an effective amount of the compound of claim 1.
  - 16. A method of treating type 2 diabetes in a mammal comprising administering a therapeutically effective amount of the compound of claim 1.
  - 17. A method of treating symptoms related to type 1 or type 2 diabetes in a mammal wherein said symptoms are selected from the group consisting of hyperglycemia, hyperinsulinemia, inadequate glucose clearance, obesity, hyperlipidemia, lipid metabolism disorders and hypertension comprising administering a therapeutically effective amount of the compound of claim 1.
  - 18. A method of treating diabetes or Syndrome X, comprising administration of the

compound of formula (I) of claim 1 in combination with an existing anti-diabetic agent selected from the group consisting of insulin, mecasermin, nateglinide, metformin, chlorpropamide, glipizide, glyburide, troglitazone, pioglitazone, rosiglitazone, acarbose, voglibose, miglitol, zopolrestat and repaglinide.

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19. A method of treating obesity comprising administrating the compound of formula (I) of claim 1 in combination with an anti-obesity agent selected from the group consisting of orlistat, sibutramine, dexfenfluramine, bromocryptine, phentermine, phendimetrazine and mazindol.

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